

In the Claims

1. (Currently Amended) A flame-retardant polybutylene terephthalate resin composition wherein (A) 20-70% by weight of a polybutylene terephthalate resin or a mixture of a polybutylene terephthalate resin and a polyethylene terephthalate resin, (B) 1-20% by weight of ~~a vinyl-based resin~~an acrylonitrile/styrene copolymer containing acrylonitrile at 10 wt% or greater and less than 50 wt%, (C) 1-20% by weight of a phosphoric acid ester, (D) 1-30% by weight of a salt of a triazine based compound and cyanuric acid or isocyanuric acid, and (E) 0.1-5% by weight of ~~an alkaline earth metal compound~~are compoundedmagnesium hydroxide and/or calcium carbonate.

2. (Previously Presented) A flame-retardant polybutylene terephthalate resin composition according to claim 1, wherein the polybutylene terephthalate resin constituting the mixture of the polybutylene terephthalate resin and the polyethylene terephthalate resin is at 5-95% by weight, and the polyethylene terephthalate resin is at 95-5% by weight.

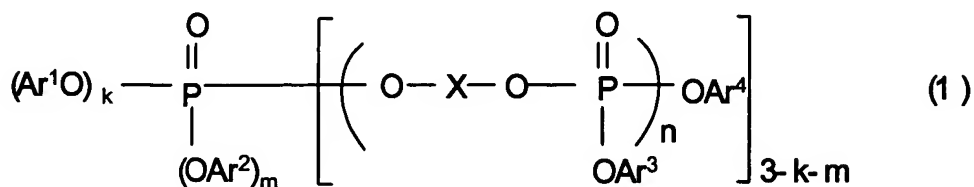
Claims 3 - 5 (Cancelled)

6. (Previously Presented) A flame-retardant polybutylene terephthalate resin composition according to claim 1, wherein (F) 0.05-5% by weight of an epoxy compound is compounded.

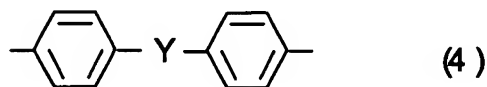
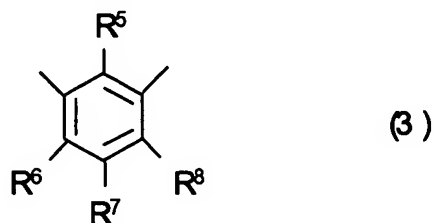
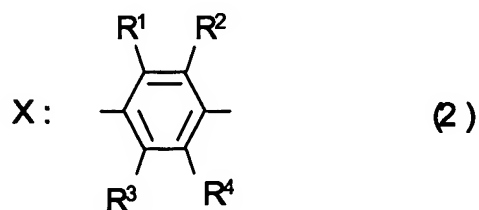
7. (Original) A flame-retardant polybutylene terephthalate resin composition according to claim 6, wherein the (F) epoxy compound is an epoxy compound including a glycidyl ether compound and/or a glycidyl ester compound having an epoxy equivalent of 500 or less.

8. (Original) A flame-retardant polybutylene terephthalate resin composition according to claim 6, wherein the (F) epoxy compound is an epoxy compound including a monofunctional glycidyl ester compound having an epoxy equivalent of 500 or less.

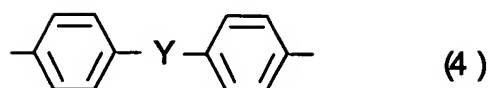
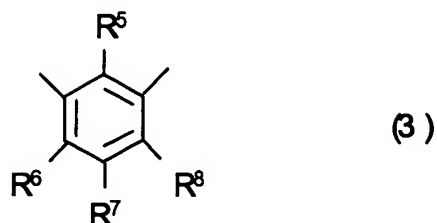
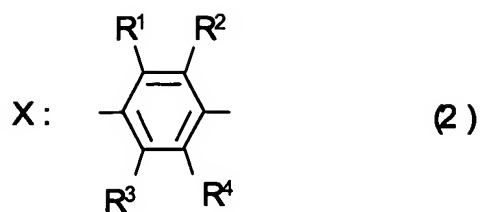
9. (Previously Presented) A flame-retardant polybutylene terephthalate resin composition according to claim 1, wherein the (C) phosphoric acid ester is an aromatic phosphoric acid ester represented by the following (1) expression:



wherein Ar^1 , Ar^2 , Ar^3 and Ar^4 represent the same or different aromatic groups that do not contain a halogen; X represents a structure selected from expressions (2)-(4):



wherein R^1 to R^8 represent the same or different hydrogen atoms or alkyl groups having carbon numbers of 1-5, Y represents a direct coupling, O, S, SO_2 , $\text{C}(\text{CH}_3)_2$, CH_2 , CHPh , and Ph represents a phenyl group; n in the (1) expression represents the degree of polymerization, and is an integer of 0 or greater, k, m in the (1) expression are each an integer of 0 or greater and 2 or less, and (k+m) is an integer of 0 or greater and 2 or less.



10. (Cancelled)

11. (Currently Amended) A flame-retardant polybutylene terephthalate resin composition according to claim 1, wherein the (B) ~~vinyl based resin is an acrylonitrile/styrene copolymer in which a glycidyl methacrylate is copolymerized and which contains acrylonitrile at 10wt.% or greater and less than 50wt.% with a glycidyl methacrylate.~~

12. (Currently Amended) A flame-retardant polybutylene terephthalate resin composition according to claim 1, wherein the (B) ~~vinyl based resin~~ acrylonitrile/styrene is a multilayer structure that constitutes an outer layer (shell layer) of a multilayer structure made up of an innermost layer (core layer) and the outer layer (shell layer) covering the innermost layer.

13. (Currently Amended) A flame-retardant polybutylene terephthalate resin composition according to claim 1, wherein the compounding ratio of the (C) phosphoric acid ester and the (E) ~~alkaline earth metal compound~~ magnesium hydroxide and/or calcium carbonate is within a range of the following expression (5):

$$\frac{W_p}{M} \times N_p \times 0.03 \leq \frac{W_a}{M_a} \times 2 \leq \frac{W_p}{M} \times N_p \times 0.6 \quad (5)$$

wherein W_p is the compounding amount (% by weight) of the (C) phosphoric acid ester, and M is the molecular weight of the (C) phosphoric acid ester, and N_p is the number of phosphoric acid ester linkages of the (C) phosphoric acid ester, and W_a is the compounding amount (% by weight) of the (E) ~~alkaline earth metal compound~~magnesium hydroxide and/or calcium carbonate, and M_a is the molecular weight of the (E) ~~alkaline earth metal compound~~magnesium hydroxide and/or calcium carbonate.

14. (Previously Presented) A flame-retardant polybutylene terephthalate resin composition according to claim 1, having a relative tracking index of 400V or greater.

15. (Currently Amended) A formed article formed from a flame-retardant polybutylene terephthalate resin composition according to claim 1, ~~and used as~~wherein the article is a machine mechanism component part, an electrical/electronic component part, or an automotive component part.

16. (Currently Amended) A formed article formed from a flame-retardant polybutylene terephthalate resin composition according to claim 1, ~~and used for~~wherein the article is a breaker, an electromagnetic switch, a focus case, a flyback transformer, or a fuser of a copier or a printer.